



State Road 544 PD&E Study

District 1 Polk County
Financial Project ID: 440273-1

from Martin Luther King Blvd. to State Road 17

Segment	No Build	Avenue Y		Old Lucerne Park Road (west end)		Lake Lucerne Road / Lucerne Loop Road (Walmart)		Old Lucerne Park Road (east end)		US 27/Brenton Manor	
		Mini-Roundabout	Signal	Roundabout	Signal	Roundabout	Signal	Roundabout	Signal	Quadrant Roadway with Signal at Brenton Manor	Single Point Urban Interchange with Roundabout at Brenton Manor
Property Impacts											
Parcels Impacted	0	18	4	8	1	3	3	8	4	17	17
Area of Impact (ac)	0	0.65	0.33	0.44	0.2	0.9	0.38	0.8	0.18	7.76	6.86
Residential Relocations	0	0	1	1	0	0	0	0	0	0	0
Business Relocations	0	0	0	0	0	0	0	1	0	0	2
Natural, Environmental & Physical Impacts											
Potential Species Impacts	None	Low	Low	Low	Low	Moderate	Low	Low	Low	Moderate	Moderate
Potential Contamination Sites	None	1	1	1	1	0	0	0	0	3	3
Wetland Impacts (ac)	None	0.00	0.00	0.00	0.00	0.47	0.20	0.10	0.10	1.76	1.63
Surface Water Impacts (ac)	None	0.17	0.17	0.08	0.00	0.08	0.05	0.04	0.04	0	0
Floodplain Impacts (ac)	None	0.00	0.00	0.78	0.66	4.17	3.68	0.08	0.08	2.63	2.18
Public Parks Impacted	None	None	None	None	None	None	None	None	None	None	None
Potential Impacts to Cultural Resources	None	Low /Low	Low / Moderate	Moderate / Moderate	Moderate / Low	Moderate / Low	Moderate / Low	Moderate / Low	Moderate / Low	Moderate / Low	Moderate / Low
Noise Impacts	None	6 residences	6 residences	6 residences, 1 community pool	6 residences, 1 community pool	None	None	9 residences	7 residences	1 hotel pool	None
Estimated Costs in Millions (Present Day Costs)											
Design	No Cost	\$151,000	\$74,000	\$166,000	\$55,000	\$161,000	\$55,000	\$163,000	\$55,000	\$655,000	\$4,061,000
Right of Way	No Cost	\$425,000	\$1,780,000	\$965,000	\$125,000	\$490,000	\$325,000	\$4,565,000	\$990,000	\$4,835,000	\$9,835,000
Reimbursable Utility Relocation	No Cost	\$100,000	\$100,000	\$0	\$0	\$6,500	\$26,000	\$25,800	\$3,800	\$74,100	\$94,100
Non-Reimbursable Utility Relocation	No Cost	\$347,000	\$392,900	\$798,900	\$858,900	\$505,700	\$899,300	\$359,600	\$410,400	\$669,900	\$939,900
Wetland Mitigation	No Cost	\$0	\$0	\$0	\$0	\$63,500	\$27,000	\$13,500	\$13,500	\$237,600	\$220,100
Roadway Construction	No Cost	\$1,008,400	\$492,500	\$1,109,300	\$369,000	\$1,074,700	\$369,000	\$1,085,900	\$369,000	\$4,367,100	\$27,071,200
Construction Engineering & Inspection	No Cost	\$101,000	\$49,000	\$111,000	\$37,000	\$107,000	\$37,000	\$109,000	\$37,000	\$437,000	\$2,707,000
Total Cost	No Cost	\$1,785,000	\$2,496,000	\$2,351,000	\$586,000	\$1,903,000	\$839,000	\$5,962,000	\$1,468,000	\$10,606,000	\$43,988,000

Intersections Evaluation Matrix